of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group), represented by A-L-B of general formula (1).

10. A substrate having a straight chain linker intramolecularly possess 2 primary amino groups bound thereto by means of the cross-linking reagent of the substrate having a cross-linking reagent represented by the following general formula (1) bound thereonto by means of a coupling agent comprising an active group:

$$A - L - B \qquad (1)$$

(wherein, A and B represent an identical or different group which reacts with an active group of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group) represented by A-L-B of general formula (1).

12. A substrate having a cross-linking reagent of the following general formula (1) further bound thereonto by means of the branching agent intramolecularly possessing 2 or more primary amino groups having a branching agent intramolecularly possessing 2 or more primary amino groups, bound thereto by means of the cross-linking agent of the substrate having a cross-linking reagent represented by the following general formula (1) bound thereonto by means of a coupling agent comprising an active group:

$$A - L - B \qquad (1)$$

(wherein, A and B represent an identical or different group which reacts with an active group of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group), represented by A-L-B of

general formula (1):

13. A substrate for immobilization of a biological substance or medicament which has a biological substance or chemical substance, being an object of binding, immobilized thereon by means of the cross-linking agent of the substrate having a cross-linking reagent represented by the following general formula (1) bound thereonto by means of a coupling agent comprising an active group:

$$A-L-B \qquad (1)$$

(wherein, A and B represent an identical or different group which reacts with an active group of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group), represented by general formula (1) A-L-B.

14. A method of immobilizing a biological substance or medicament which comprises immobilizing a biological substance or chemical substance on the substrate having a cross-linking reagent represented by the following general formula (1) bound thereonto by means of a coupling agent comprising an active group:

$$A-L-B \qquad (1)$$

(wherein, A and B represent an identical or different group which reacts with an active group of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group).

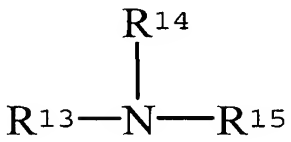
20. A coating method which comprises reacting a branching agent intramolecularly possessing 2 or more primary amino groups with the substrate which comprises reacting a coupling agent comprising an active group on a substrate, and then reacting

a cross-linking reagent represented by the following formula:

$$A-L-B \qquad (1)$$

(wherein, A and B represent an identical or different group which reacts with an active group of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group).

24. A method of coating a substrate which comprises further reacting a cross-linking reagent of the following general formula (1) with the substrate which comprises reacting a branching agent intramolecularly possessing 2 or more primary amino groups with the substrate, wherein the branching agent is a compound having 2 or 3 primary amino groups represented by the following general formula (5):



$$\qquad (5)$$

(wherein, R13, R14 and R15 are an identical or different group selected from alkyl group having a primary amino group, alkyl group or hydrogen atom, provided that 2 or 3 are alkyl groups having a primary amino group):

$$A-L-B \qquad (1)$$

(wherein, A and B represent an identical or different group which reacts with an active group of the coupling agent comprising an active group, selected from an active ester group, isothiocyanate group, isocyanate group, imidazole group, carbodiimide group or aldehyde group, and wherein L is a linking group linking A and B, selected from a straight chain alkyl group, aryl group, allyl group or alkyl group having an amide group).